

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,078  
Source: PCT  
Date Processed by STIC: 10/24/2005

***ENTERED***



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/553,078

DATE: 10/24/2005  
TIME: 10:55:26

Input Set : A:\HOIB1001APCseq.txt  
Output Set: N:\CRF4\10242005\J553078.raw

3 <110> APPLICANT: Straten, Per Thor  
 5 <120> TITLE OF INVENTION: Therapeutic Cancer Vaccine  
 7 <130> FILE REFERENCE: HOIB1.001APC  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/553,078  
 C--> 9 <141> CURRENT FILING DATE: 2005-10-11  
 9 <150> PRIOR APPLICATION NUMBER: PCT/DK2004/000259, DK PA200300572, US 60/461,803,  
 W--> 10 <151> PRIOR FILING DATE: 2004-04-07, 2003-04-11, 2003-04-11,  
 12 <160> NUMBER OF SEQ ID NOS: 318  
 14 <170> SOFTWARE: PatentIn version 3.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 297  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Homo sapiens  
 21 <400> SEQUENCE: 1  
 23 Met Gly Pro Lys Asp Ser Ala Lys Cys Leu His Arg Gly Pro Gln Pro  
 24 1 5 10 15  
 27 Ser His Trp Ala Ala Gly Asp Gly Pro Thr Gln Glu Arg Cys Gly Pro  
 28 20 25 30  
 31 Arg Ser Leu Gly Ser Pro Val Leu Gly Leu Asp Thr Cys Arg Ala Trp  
 32 35 40 45  
 35 Asp His Val Asp Gly Gln Ile Leu Gly Gln Leu Arg Pro Leu Thr Glu  
 36 50 55 60  
 39 Glu Glu Glu Glu Gly Ala Gly Ala Thr Leu Ser Arg Gly Pro Ala  
 40 65 70 75 80  
 43 Phe Pro Gly Met Gly Ser Glu Glu Leu Arg Leu Ala Ser Phe Tyr Asp  
 44 85 90 95  
 47 Trp Pro Leu Thr Ala Glu Val Pro Pro Glu Leu Leu Ala Ala Gly  
 48 100 105 110  
 51 Phe Phe His Thr Gly His Gln Asp Lys Val Arg Cys Phe Phe Cys Tyr  
 52 115 120 125  
 55 Gly Gly Leu Gln Ser Trp Lys Arg Gly Asp Asp Pro Trp Thr His Ala  
 56 130 135 140  
 59 Lys Trp Phe Pro Ser Cys Gln Phe Leu Leu Arg Ser Lys Gly Arg Asp  
 60 145 150 155 160  
 63 Phe Val His Ser Val Gln Glu Thr His Ser Gln Leu Leu Gly Ser Trp  
 64 165 170 175  
 67 Asp Pro Trp Glu Glu Pro Glu Asp Ala Ala Pro Val Ala Pro Ser Val  
 68 180 185 190  
 71 Pro Ala Ser Gly Tyr Pro Glu Leu Pro Thr Pro Arg Arg Glu Val Gln  
 72 195 200 205  
 75 Ser Glu Ser Ala Gln Glu Pro Gly Gly Val Ser Pro Ala Glu Ala Gln  
 76 210 215 220  
 79 Arg Ala Trp Trp Val Leu Glu Pro Pro Gly Ala Arg Asp Val Glu Ala

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,078

DATE: 10/24/2005

TIME: 10:55:26

Input Set : A:\HOIB1001APCseq.txt  
Output Set: N:\CRF4\10242005\J553078.raw

80 225 230 235 240  
83 Gln Leu Arg Arg Leu Gln Glu Glu Arg Thr Cys Lys Val Cys Leu Asp  
84 245 250 255  
87 Arg Ala Val Ser Ile Val Phe Val Pro Cys Gly His Leu Val Cys Ala  
88 260 265 270  
91 Glu Cys Ala Pro Gly Leu Gln Leu Cys Pro Ile Cys Arg Ala Pro Val  
92 275 280 285  
95 Arg Ser Arg Val Arg Thr Phe Leu Ser  
96 290 295  
99 <210> SEQ ID NO: 2  
100 <211> LENGTH: 9  
101 <212> TYPE: PRT  
102 <213> ORGANISM: Homo sapiens  
104 <400> SEQUENCE: 2  
106 Met Gly Pro Lys Asp Ser Ala Lys Cys  
107 1 5  
110 <210> SEQ ID NO: 3  
111 <211> LENGTH: 9  
112 <212> TYPE: PRT  
113 <213> ORGANISM: Homo sapiens  
115 <400> SEQUENCE: 3  
117 Gly Pro Lys Asp Ser Ala Lys Cys Leu  
118 1 5  
121 <210> SEQ ID NO: 4  
122 <211> LENGTH: 9  
123 <212> TYPE: PRT  
124 <213> ORGANISM: Homo sapiens  
126 <400> SEQUENCE: 4  
128 Pro Lys Asp Ser Ala Lys Cys Leu His  
129 1 5  
132 <210> SEQ ID NO: 5  
133 <211> LENGTH: 9  
134 <212> TYPE: PRT  
135 <213> ORGANISM: Homo sapiens  
137 <400> SEQUENCE: 5  
139 Lys Asp Ser Ala Lys Cys Leu His Arg  
140 1 5  
143 <210> SEQ ID NO: 6  
144 <211> LENGTH: 9  
145 <212> TYPE: PRT  
146 <213> ORGANISM: Homo sapiens  
148 <400> SEQUENCE: 6  
150 Asp Ser Ala Lys Cys Leu His Arg Gly  
151 1 5  
154 <210> SEQ ID NO: 7  
155 <211> LENGTH: 9  
156 <212> TYPE: PRT  
157 <213> ORGANISM: Homo sapiens  
159 <400> SEQUENCE: 7

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,078

DATE: 10/24/2005

TIME: 10:55:26

Input Set : A:\HOIB1001APCseq.txt  
Output Set: N:\CRF4\10242005\J553078.raw

161 Ser Ala Lys Cys Leu His Arg Gly Pro  
162 1 5  
165 <210> SEQ ID NO: 8  
166 <211> LENGTH: 9  
167 <212> TYPE: PRT  
168 <213> ORGANISM: Homo sapiens  
170 <400> SEQUENCE: 8  
172 Ala Lys Cys Leu His Arg Gly Pro Gln  
173 1 5  
176 <210> SEQ ID NO: 9  
177 <211> LENGTH: 9  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Homo sapiens  
181 <400> SEQUENCE: 9  
183 Lys Cys Leu His Arg Gly Pro Gln Pro  
184 1 5  
187 <210> SEQ ID NO: 10  
188 <211> LENGTH: 9  
189 <212> TYPE: PRT  
190 <213> ORGANISM: Homo sapiens  
192 <400> SEQUENCE: 10  
194 Cys Leu His Arg Gly Pro Gln Pro Ser  
195 1 5  
198 <210> SEQ ID NO: 11  
199 <211> LENGTH: 9  
200 <212> TYPE: PRT  
201 <213> ORGANISM: Homo sapiens  
203 <400> SEQUENCE: 11  
205 Leu His Arg Gly Pro Gln Pro Ser His  
206 1 5  
209 <210> SEQ ID NO: 12  
210 <211> LENGTH: 9  
211 <212> TYPE: PRT  
212 <213> ORGANISM: Homo sapiens  
214 <400> SEQUENCE: 12  
216 His Arg Gly Pro Gln Pro Ser His Trp  
217 1 5  
220 <210> SEQ ID NO: 13  
221 <211> LENGTH: 9  
222 <212> TYPE: PRT  
223 <213> ORGANISM: Homo sapiens  
225 <400> SEQUENCE: 13  
227 Arg Gly Pro Gln Pro Ser His Trp Ala  
228 1 5  
231 <210> SEQ ID NO: 14  
232 <211> LENGTH: 9  
233 <212> TYPE: PRT  
234 <213> ORGANISM: Homo sapiens  
236 <400> SEQUENCE: 14

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,078

DATE: 10/24/2005

TIME: 10:55:26

Input Set : A:\HOIB1001APCseq.txt  
Output Set: N:\CRF4\10242005\J553078.raw

238 Gly Pro Gln Pro Ser His Trp Ala Ala  
239 1 5  
242 <210> SEQ ID NO: 15  
243 <211> LENGTH: 9  
244 <212> TYPE: PRT  
245 <213> ORGANISM: Homo sapiens  
247 <400> SEQUENCE: 15  
249 Pro Gln Pro Ser His Trp Ala Ala Gly  
250 1 5  
253 <210> SEQ ID NO: 16  
254 <211> LENGTH: 9  
255 <212> TYPE: PRT  
256 <213> ORGANISM: Homo sapiens  
258 <400> SEQUENCE: 16  
260 Gln Pro Ser His Trp Ala Ala Gly Asp  
261 1 5  
264 <210> SEQ ID NO: 17  
265 <211> LENGTH: 9  
266 <212> TYPE: PRT  
267 <213> ORGANISM: Homo sapiens  
269 <400> SEQUENCE: 17  
271 Pro Ser His Trp Ala Ala Gly Asp Gly  
272 1 5  
275 <210> SEQ ID NO: 18  
276 <211> LENGTH: 9  
277 <212> TYPE: PRT  
278 <213> ORGANISM: Homo sapiens  
280 <400> SEQUENCE: 18  
282 Ser His Trp Ala Ala Gly Asp Gly Pro  
283 1 5  
286 <210> SEQ ID NO: 19  
287 <211> LENGTH: 9  
288 <212> TYPE: PRT  
289 <213> ORGANISM: Homo sapiens  
291 <400> SEQUENCE: 19  
293 His Trp Ala Ala Gly Asp Gly Pro Thr  
294 1 5  
297 <210> SEQ ID NO: 20  
298 <211> LENGTH: 9  
299 <212> TYPE: PRT  
300 <213> ORGANISM: Homo sapiens  
302 <400> SEQUENCE: 20  
304 Trp Ala Ala Gly Asp Gly Pro Thr Gln  
305 1 5  
308 <210> SEQ ID NO: 21  
309 <211> LENGTH: 9  
310 <212> TYPE: PRT  
311 <213> ORGANISM: Homo sapiens  
313 <400> SEQUENCE: 21

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,078

DATE: 10/24/2005

TIME: 10:55:26

Input Set : A:\HOIB1001APCseq.txt  
Output Set: N:\CRF4\10242005\J553078.raw

315 Ala Ala Gly Asp Gly Pro Thr Gln Glu  
316 1 5  
319 <210> SEQ ID NO: 22  
320 <211> LENGTH: 9  
321 <212> TYPE: PRT  
322 <213> ORGANISM: Homo sapiens  
324 <400> SEQUENCE: 22  
326 Ala Gly Asp Gly Pro Thr Gln Glu Arg  
327 1 5  
330 <210> SEQ ID NO: 23  
331 <211> LENGTH: 9  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Homo sapiens  
335 <400> SEQUENCE: 23  
337 Gly Asp Gly Pro Thr Gln Glu Arg Cys  
338 1 5  
341 <210> SEQ ID NO: 24  
342 <211> LENGTH: 9  
343 <212> TYPE: PRT  
344 <213> ORGANISM: Homo sapiens  
346 <400> SEQUENCE: 24  
348 Asp Gly Pro Thr Gln Glu Arg Cys Gly  
349 1 5  
352 <210> SEQ ID NO: 25  
353 <211> LENGTH: 9  
354 <212> TYPE: PRT  
355 <213> ORGANISM: Homo sapiens  
357 <400> SEQUENCE: 25  
359 Gly Pro Thr Gln Glu Arg Cys Gly Pro  
360 1 5  
363 <210> SEQ ID NO: 26  
364 <211> LENGTH: 9  
365 <212> TYPE: PRT  
366 <213> ORGANISM: Homo sapiens  
368 <400> SEQUENCE: 26  
370 Pro Thr Gln Glu Arg Cys Gly Pro Arg  
371 1 5  
374 <210> SEQ ID NO: 27  
375 <211> LENGTH: 9  
376 <212> TYPE: PRT  
377 <213> ORGANISM: Homo sapiens  
379 <400> SEQUENCE: 27  
381 Thr Gln Glu Arg Cys Gly Pro Arg Ser  
382 1 5  
385 <210> SEQ ID NO: 28  
386 <211> LENGTH: 9  
387 <212> TYPE: PRT  
388 <213> ORGANISM: Homo sapiens  
390 <400> SEQUENCE: 28

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/553,078

DATE: 10/24/2005

TIME: 10:55:27

Input Set : A:\HOIB1001APCseq.txt

Output Set: N:\CRF4\10242005\J553078.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD